Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

1. (Currently Amended) A method comprising:

an I/O device of a system receiving a multimedia stream as input, the I/O device having a I/O clock and the system having a system clock; and

synchronizing samples of the stream with the system clock, wherein the synchronizing includes generating a timestamp of a sample of the multimedia stream with a corresponding time of the system clock; and generating a timing model parameter for the I/O device with the timestamp.

2. (Canceled)

3. (Currently Amended) The method of claim ~~3~~ 1, wherein the generating the timing model parameter includes generating the timing model parameter using a linear transition model that includes $t(\tau_i) = a_i(t)\ \tau_i + b_i(t)$, t is a value of the system clock and τ_i is a sample number of the multimedia stream at time t with a i-th device, and $a_i(t)$ and $b_i(t)$ are timing model parameters for the i-th device.

4. (Currently Amended) The method of claim ~~2~~ 1, wherein the generating the timing model parameter includes generating the timing model parameter using a linear transition model that includes $\tau_i(t) = a_i(\tau_i)\ t + b_i(\tau_i)$, t is a value of the system clock and τ_i

is a sample number of the multimedia stream at time t with a i-th device, and $a_i(t)$ and $b_i(t)$ are timing model parameters for the i-th device.

5. (Original) The method of claim 2, wherein generating a timing model parameter for the I/O device includes generating a timing model parameter for multiple I/O devices.

6. (Original) The method of claim 5, wherein the generating the timing model parameter for multiple I/O devices includes using a least trimmed square regressions.

7. (Original) The method of claim 2, wherein the generating the timing model parameter for the I/O device with the timestamp is performed by an Interrupt Service Routine of a driver for the I/O device.

8. (Currently Amended) A method comprising:

an I/O device of a system generating a multimedia stream as output, the I/O device having a I/O clock and the system having a system clock; and

synchronizing samples of the stream with the system clock, wherein the synchronizing includes generating a timestamp of a sample of the multimedia stream with a corresponding time of the system clock; and generating a timing model parameter for the I/O device with the timestamp.

9. (Canceledl)

10. (Currently Amended) The method of claim ~~9~~ 8, wherein the generating the timing model parameter includes generating the timing model parameter using a linear transition model that includes $t(\tau_i) = a_i(t)\ \tau_i + b_i(t)$, t is a value of the system clock and τ_i is a sample number of the multimedia stream at time t with a i-th device, and $a_i(t)$ and $b_i(t)$ are timing model parameters for the i-th device.

11. (Currently Amended) The method of claim ~~9~~ 8, wherein the generating the timing model parameter includes generating the timing model parameter using a linear transition model that includes $\tau_i(t) = a_i(\tau_i)\ t + b_i(\tau_i)$, t is a value of the system clock and τ_i is a sample number of the multimedia stream at time t with a i-th device, and $a_i(t)$ and $b_i(t)$ are timing model parameters for the i-th device.

12. (Currently Amended) The method of claim ~~9~~ 8, wherein generating a timing model parameter for the I/O device includes generating a timing model parameter for multiple I/O devices.

13. (Original) The method of claim 12, wherein the generating the timing model parameter for multiple I/O devices includes using a least trimmed square regressions.

14. (Currently Amended) The method of claim ~~9~~ 8, wherein the generating the timing model parameter for the I/O device with the timestamp is performed by an Interrupt Service Routine of a driver for the I/O device.

15. (Currently Amended) A machine-readable medium having stored thereon a set of instructions which when executed cause a system to perform a method comprising of:

an I/O device of a system receiving a multimedia stream as input, the I/O device having a I/O clock and the system having a system clock; and

synchronizing samples of the stream with the system clock, wherein the synchronizing includes generating a timestamp of a sample of the multimedia stream with a corresponding time of the system clock; and generating a timing model parameter for the I/O device with the timestamp.

16. (Canceled)

17. (Currently Amended) The machine-readable medium of claim ~~16~~ 15, wherein the generating the timing model parameter includes generating the timing model parameter using a linear transition model that includes $t(\tau_i) = a_i(t)\ \tau_i + b_i(t)$, t is a value of the system clock and τ_i is a sample number of the multimedia stream at time t with a i-th device, and $a_i(t)$ and $b_i(t)$ are timing model parameters for the i-th device.

18. (Currently Amended) The machine-readable medium of claim ~~16~~ 15, wherein the generating the timing model parameter includes generating the timing model parameter using a linear transition model that includes $\tau_i(t) = a_i(\tau_i)\ t + b_i(\tau_i)$, t is a value of the system clock and τ_i is a sample number of the multimedia stream at time t with a i-th device, and $a_i(t)$ and $b_i(t)$ are timing model parameters for the i-th device.

19. (Currently Amendedl) A machine-readable medium having stored thereon a set of instructions which when executed cause a system to perform a method comprising of:

an I/O device of a system generating a multimedia stream as output, the I/O device having a I/O clock and the system having a system clock; and

synchronizing samples of the stream with the system clock, wherein the synchronizing includes generating a timestamp of a sample of the multimedia stream with a corresponding time of the system clock; and generating a timing model parameter for the I/O device with the timestamp.

20. (Canceled)

21. (Currently Amended) The machine-readable medium of claim ~~20~~ 19, wherein the generating the timing model parameter includes generating the timing model parameter using a linear transition model that includes $t(\tau_i) = a_i(t)\ \tau_i + b_i(t)$, t is a value of the system clock and τ_i is a sample number of the multimedia stream at time t with a i-th device, and $a_i(t)$ and $b_i(t)$ are timing model parameters for the i-th device.

22. (Currently Amended) The machine-readable medium of claim ~~20~~ 19, wherein the generating the timing model parameter includes generating the timing model parameter using a linear transition model that includes $\tau_i(t) = a_i(\tau_i)\ t + b_i(\tau_i)$, t is a value of the system clock and τ_i is a sample number of the multimedia stream at time t with a i-th device, and $a_i(t)$ and $b_i(t)$ are timing model parameters for the i-th device.

23. (Currently Amended) A system comprising:

a processor;

a wireless network interface coupled to the processor; and

a machine readable medium having stored thereon a set of instructions which when executed cause the system to perform a method comprising of:

an I/O device of a system receiving a multimedia stream as input, the I/O device having a I/O clock and the system having a system clock; and

synchronizing samples of the stream with the system clock, wherein the synchronizing includes generating a timestamp of a sample of the multimedia stream with a corresponding time of the system clock; and generating a timing model parameter for the I/O device with the timestamp.

24. (Canceled)

25. (Original) The system of claim 23, wherein the generating the timing model parameter includes generating the timing model parameter using a linear transition model that includes $t(\tau_i) = a_i(t)\,\tau_i + b_i(t)$, t is a value of the system clock and τ_i is a sample number of the multimedia stream at time t with a i-th device, and $a_i(t)$ and $b_i(t)$ are timing model parameters for the i-th device.

26. (Original) The system of claim 23, wherein the generating the timing model parameter includes generating the timing model parameter using a linear transition model that includes $\tau_i(t) = a_i(\tau_i)\,t + b_i(\tau_i)$, t is a value of the system clock and τ_i is a sample number of the multimedia stream at time t with a i-th device, and $a_i(t)$ and $b_i(t)$ are timing model parameters for the i-th device.

27. (Currently Amended) A system comprising:

a processor;

a wireless network interface coupled to the processor; and

a machine readable medium having stored thereon a set of instructions which when executed cause the system to perform a method comprising of:

an I/O device of a system generating a multimedia stream as output, the I/O device having a I/O clock and the system having a system clock; and

synchronizing samples of the stream with the system clock, wherein the synchronizing includes generating a timestamp of a sample of the multimedia stream with a corresponding time of the system clock; and generating a timing model parameter for the I/O device with the timestamp.

28. (Canceled)

29. (Currently Amended) The system of claim ~~28~~ 27, wherein the generating the timing model parameter includes generating the timing model parameter using a linear transition model that includes $t(\tau_i) = a_i(t)\ \tau_i + b_i(t)$, t is a value of the system clock and τ_i is a sample number of the multimedia stream at time t with a i-th device, and $a_i(t)$ and $b_i(t)$ are timing model parameters for the i-th device.

30. (Currently Amended) The system of claim ~~28~~ 27, wherein the generating the timing model parameter includes generating the timing model parameter using a linear transition model that includes $\tau_i(t) = a_i(\tau_i)\ t + b_i(\tau_i)$, t is a value of the system clock and τ_i is a sample number of the multimedia stream at time t with a i-th device, and $a_i(t)$ and $b_i(t)$ are timing model parameters for the i-th device.